



Introduction to Nucleonica: Core Applications and Tools

Training course with “Hands on” exercises, 25-26 October 2012, *To be held at the KIT / FTU*

25 October – Core Nucleonica Applications

Index

9:00	Training Course / Nucleonica Overview J. Magill, Nucleonica		1
9:20	Nuclide Mixtures / Mass Activity Converter J. Magill	Exercises Z. Soti, R. Dreher	2
10:30 – Coffee			
10 :50	Participants introduction		
11:15	Nuclear Data in Nucleonica: Nuclide Explorer, UNC, Karlsruhe Nuclide Chart, Nuclide Datasheets, Nuclear Data Retrieval, Fission Yields Z. Soti, ITU	Exercises Z. Soti, R. Dreher	3
12:00 – Break			
13:00	Decay Engine J. Magill	Exercises Z. Soti, R. Dreher	4
14:30 – Coffee			
14:50	Gamma Dosimetry & Shielding (D&S) J. Magill	Exercises Z. Soti, R. Dreher	5
16:00	Wiki, Forum, Blog, Glossary: Knowledge Objects Z. Soti		6
16:20	Virtual Cloud Chamber J. Magill	Exercises Z. Soti, R. Dreher	7
17:00 – End of session			

26 October – Advanced Nucleonica Applications

8:30	webKORIGEN: Fuel Cycle Studies J. Zsigrai	Exercises	8
10:00 – Coffee			
10:30	Gamma Spectrum Generator and Gamma Libraries J. Zsigrai	Exercises	9
12:00 – Break			
13:00	Working with Reference Materials in Nucleonica Z. Soti	Exercises Z. Soti, R. Dreher	10
14:30 – Coffee			
14:50	e-Ship: Radiological Transport Assistant J. Magill	Exercises	11
15:30	Feedback, Questionnaire, Certificate		
16:00 – End of Training Course			
Supplementary material (additional exercises and case studies)			12